

FIG. 1

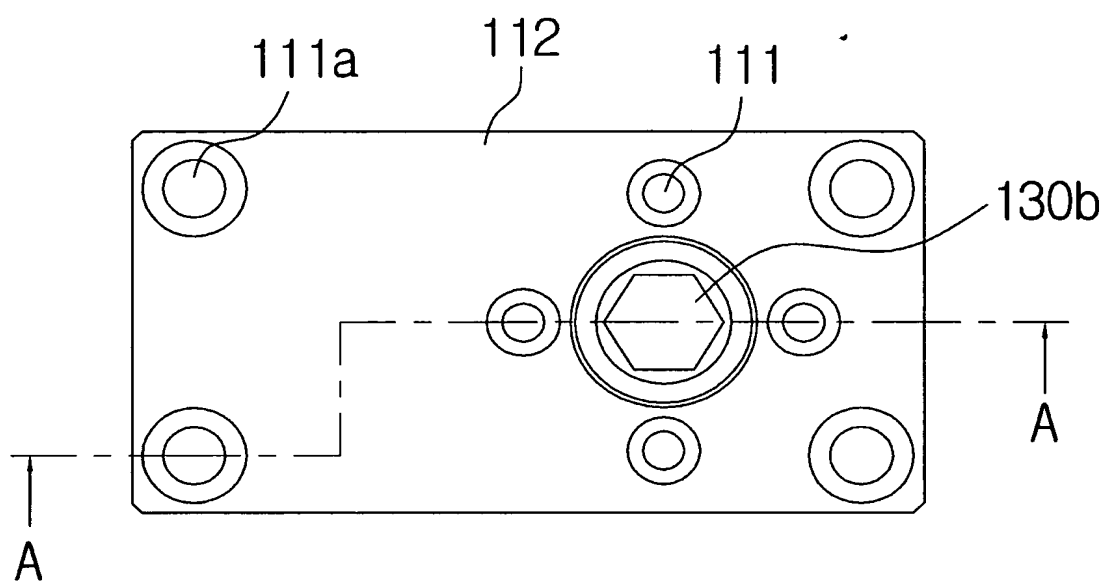


FIG. 2

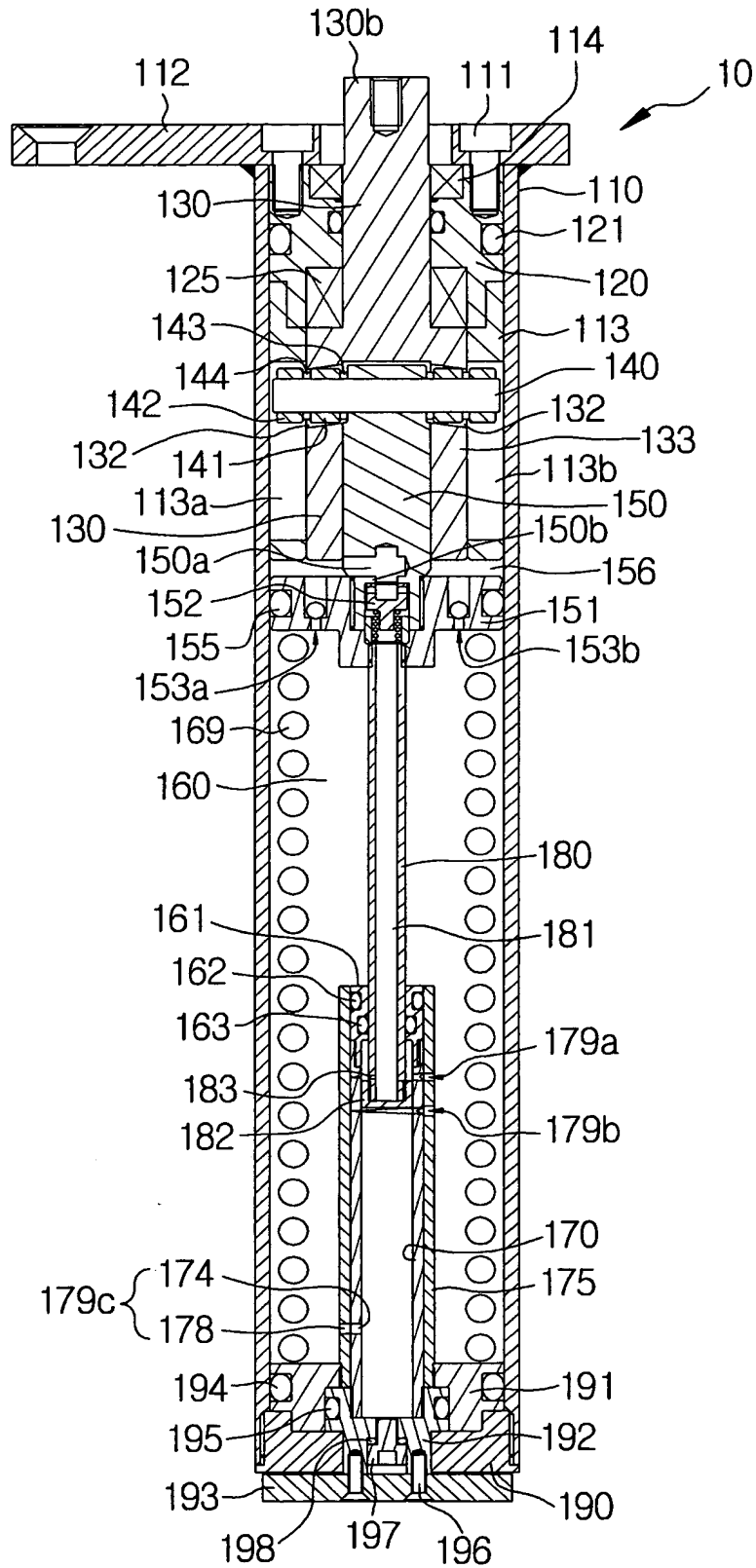


FIG. 3

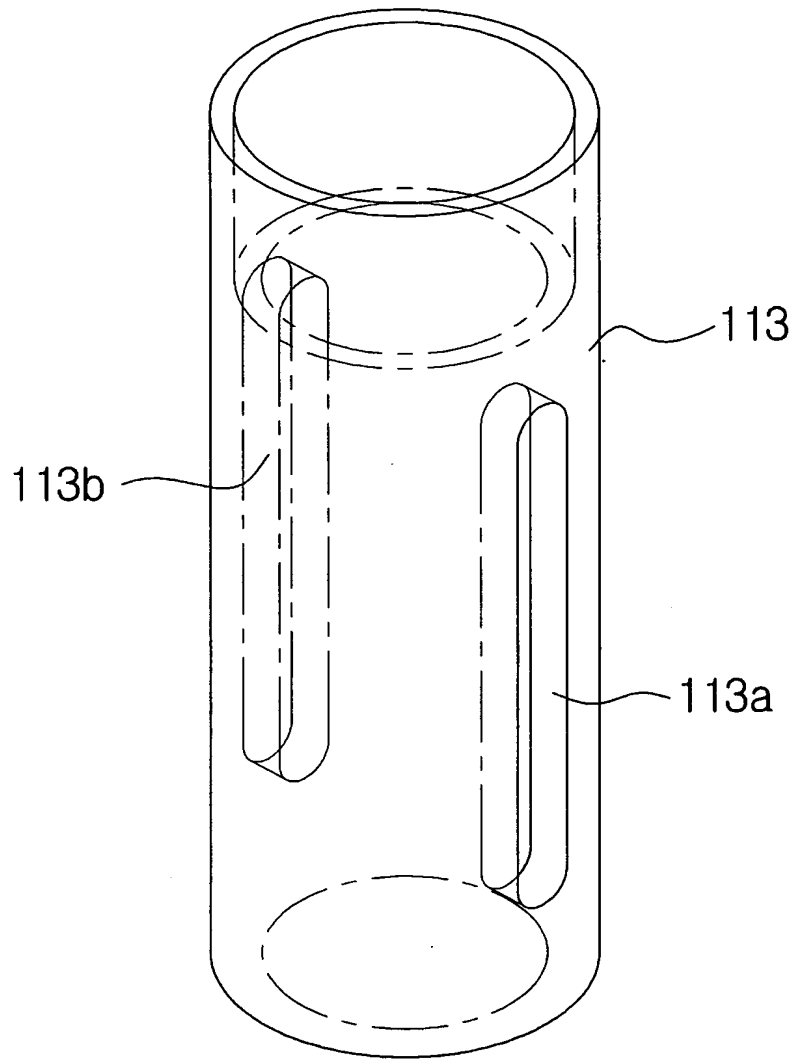


FIG. 4A

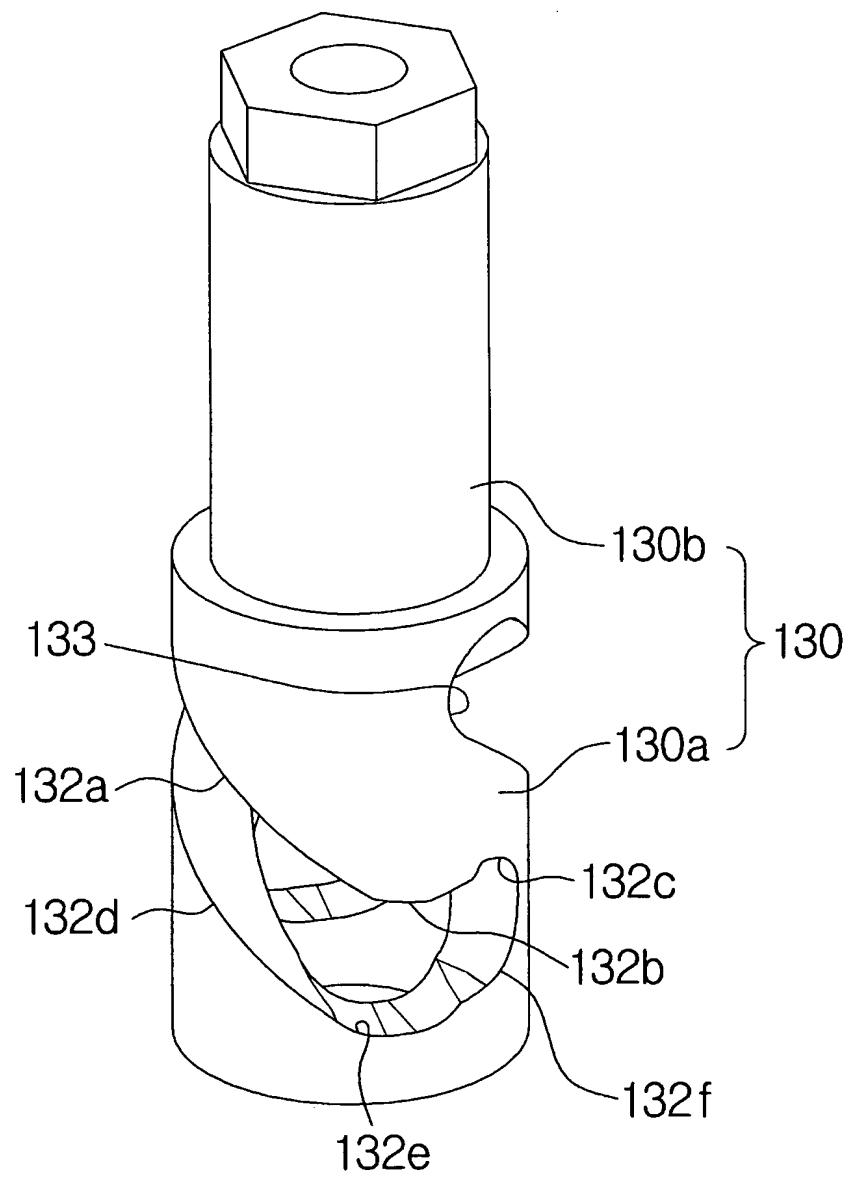


FIG. 4B

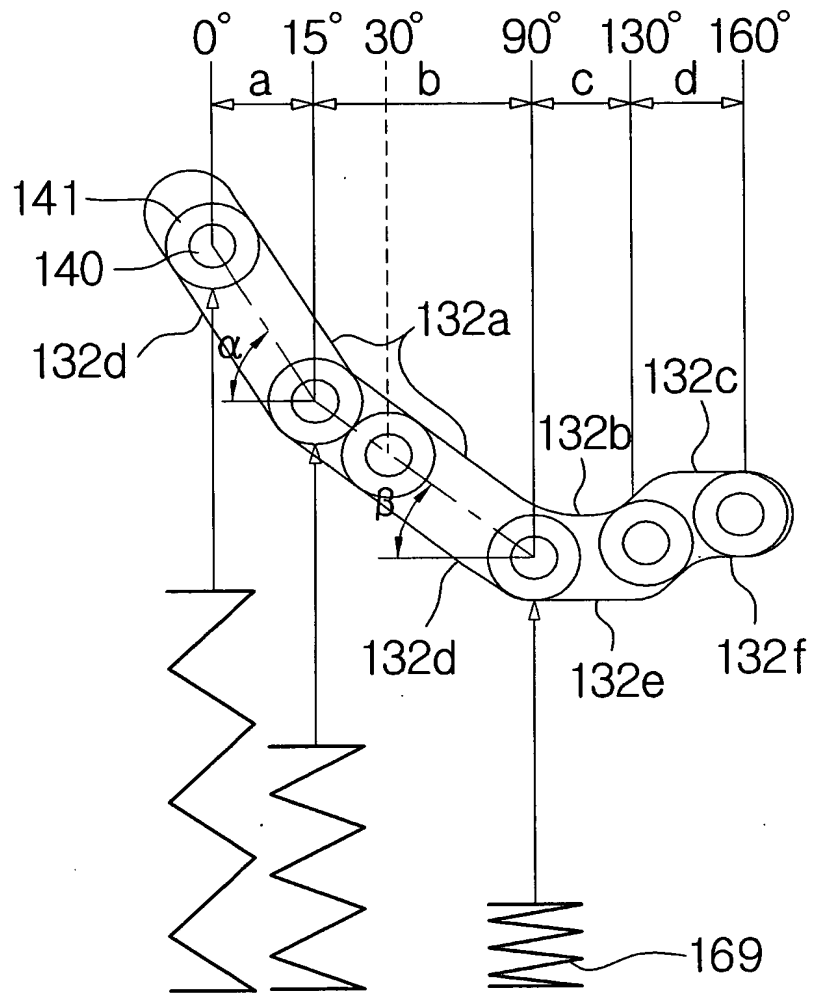
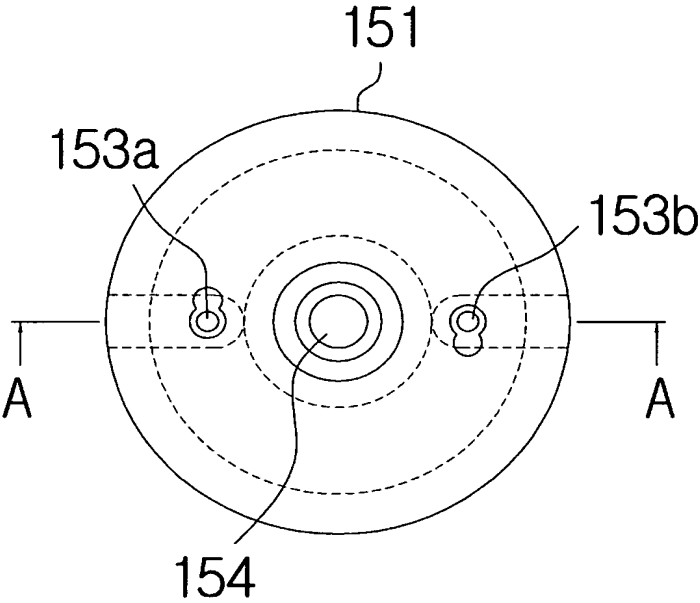


FIG. 5A



This cross-sectional view shows a mechanical assembly. A central vertical shaft (154) is supported by a bearing assembly (152) within a housing (150). The bearing assembly includes a bearing housing (152a) and a bearing (152b). The housing (150) has a flange (150a) and a base (150c). The shaft (154) has a central section (154a) and a lower section (154b). A seal (153) is located between the shaft and the housing. The seal has a central part (153a) and side parts (153b, 153c, 153d, 153e, 153f). A spring (155) is shown in the center. A bracket (151) is on the right. A reference numeral 180 points to the bottom of the housing.

FIG. 6A

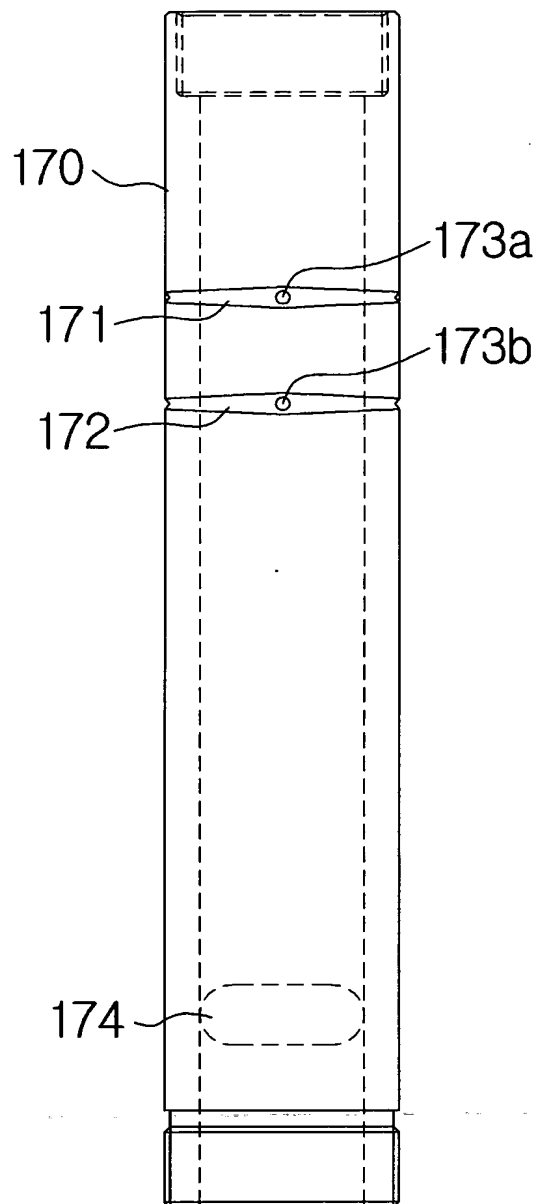


FIG. 6B

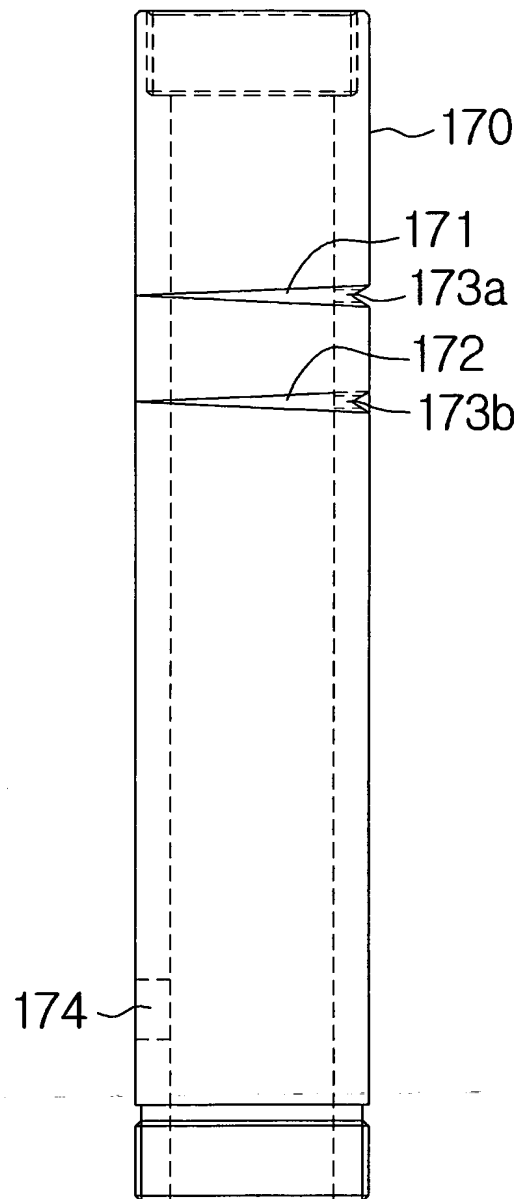


FIG. 7

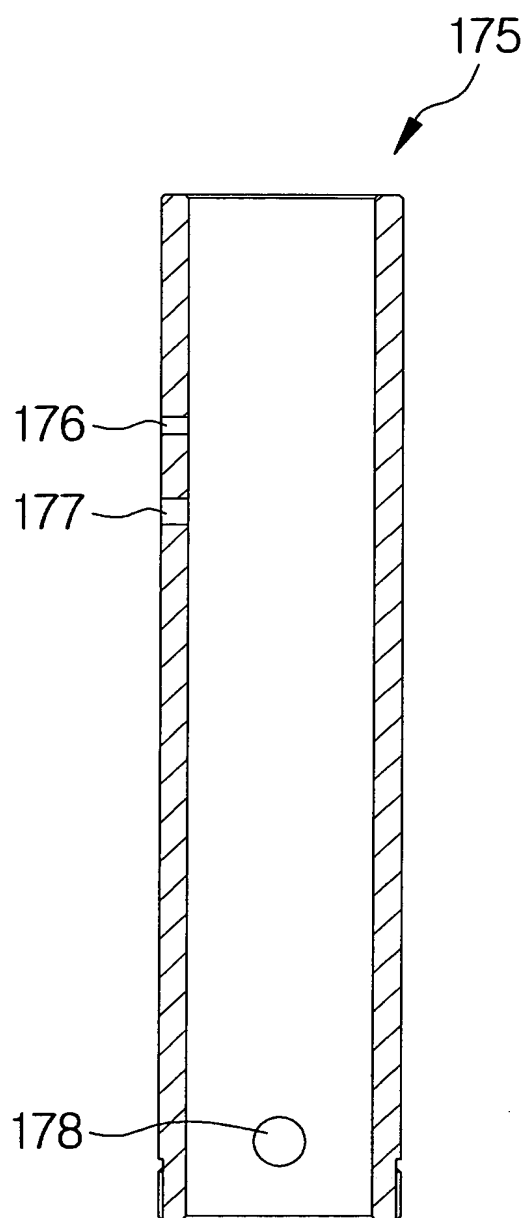


FIG. 8A

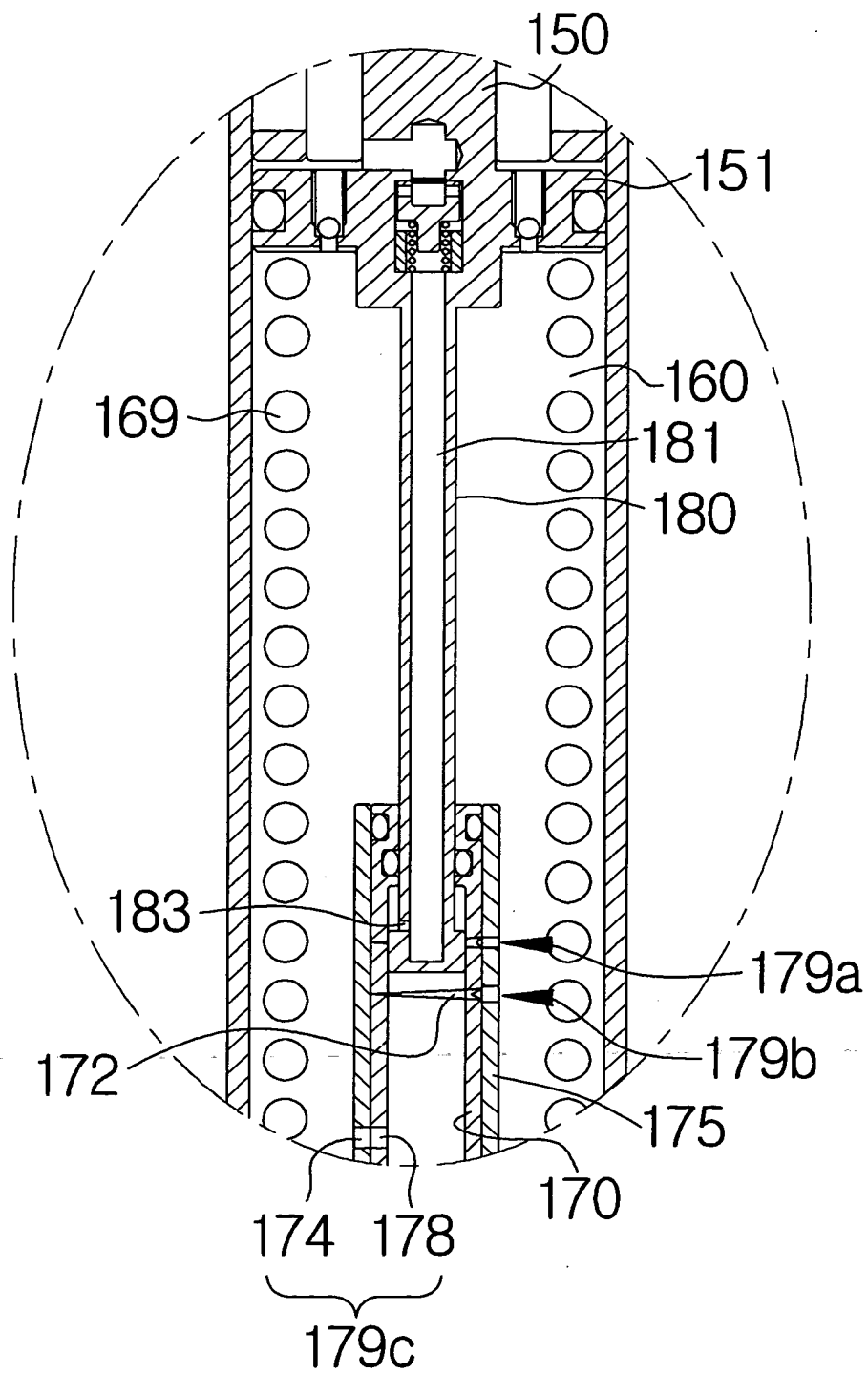


FIG. 8B

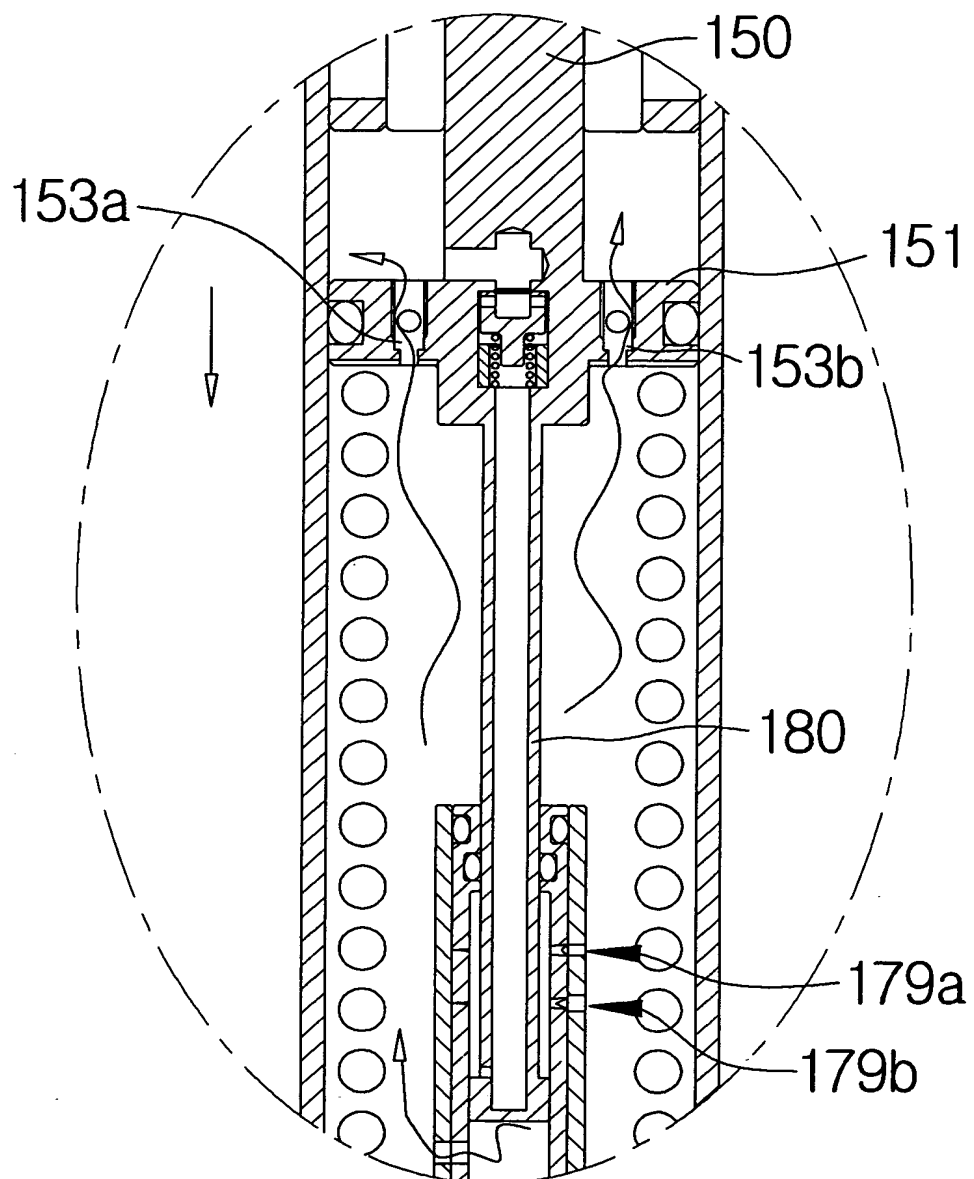


FIG. 8C

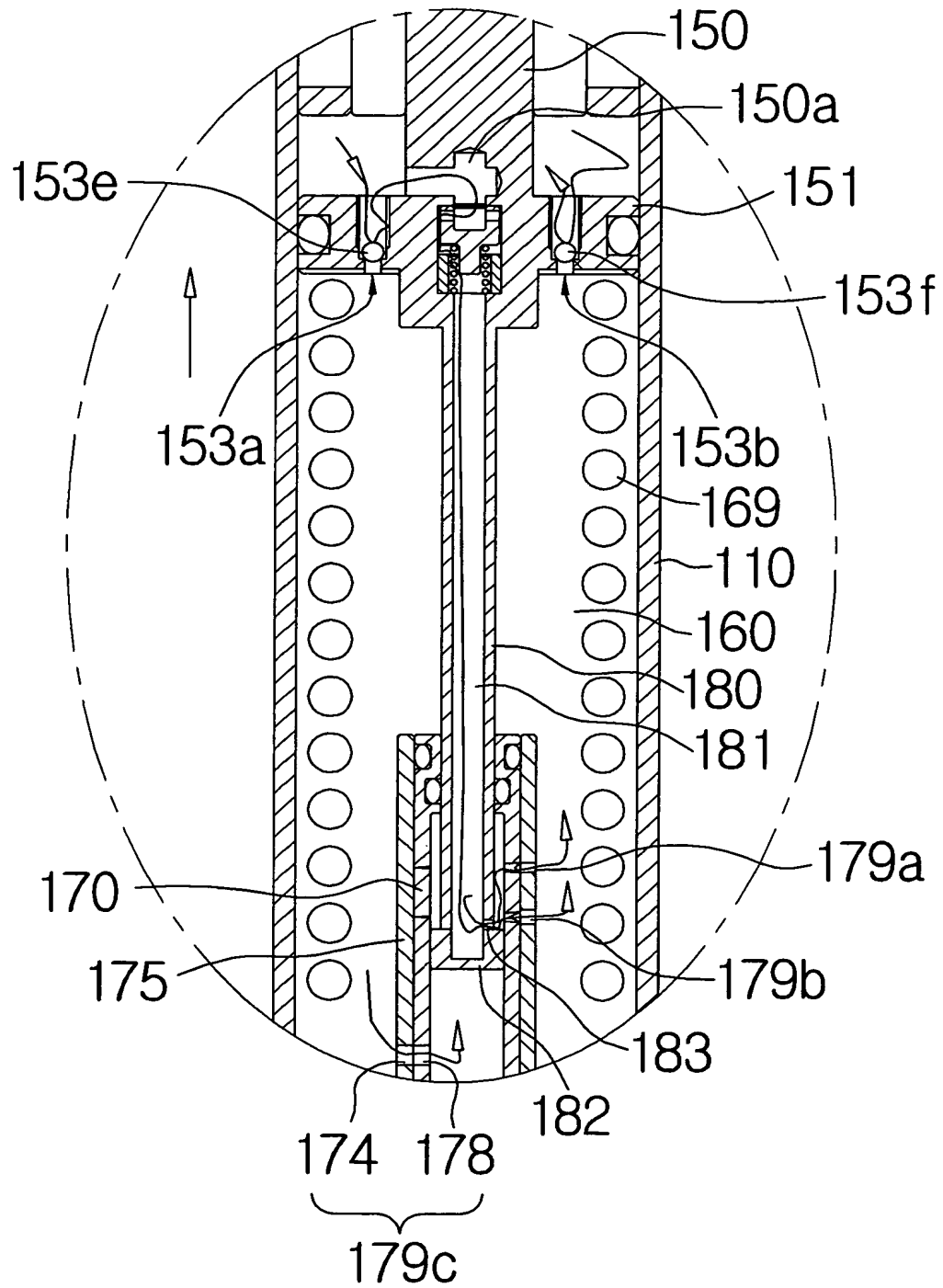


FIG. 8D

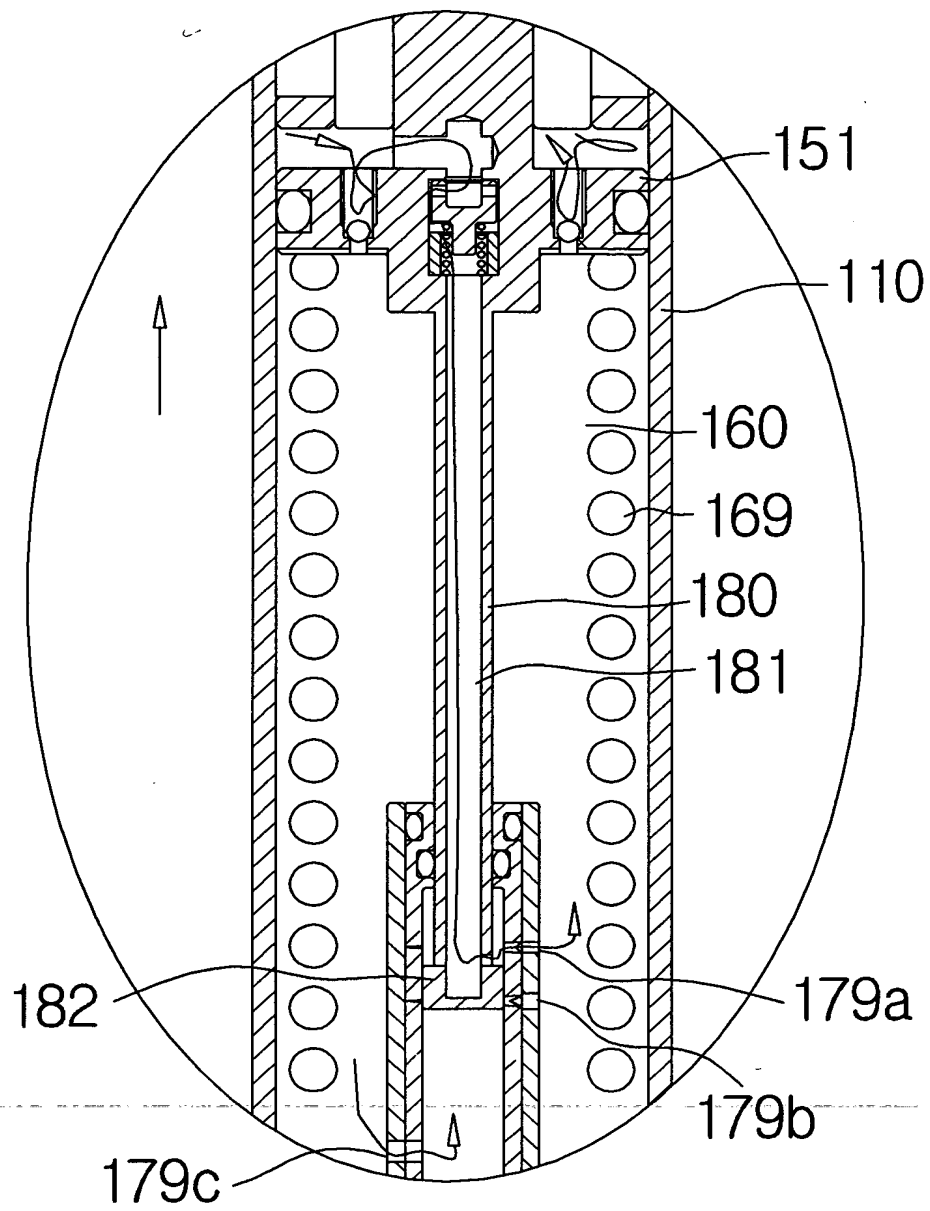


FIG. 8E

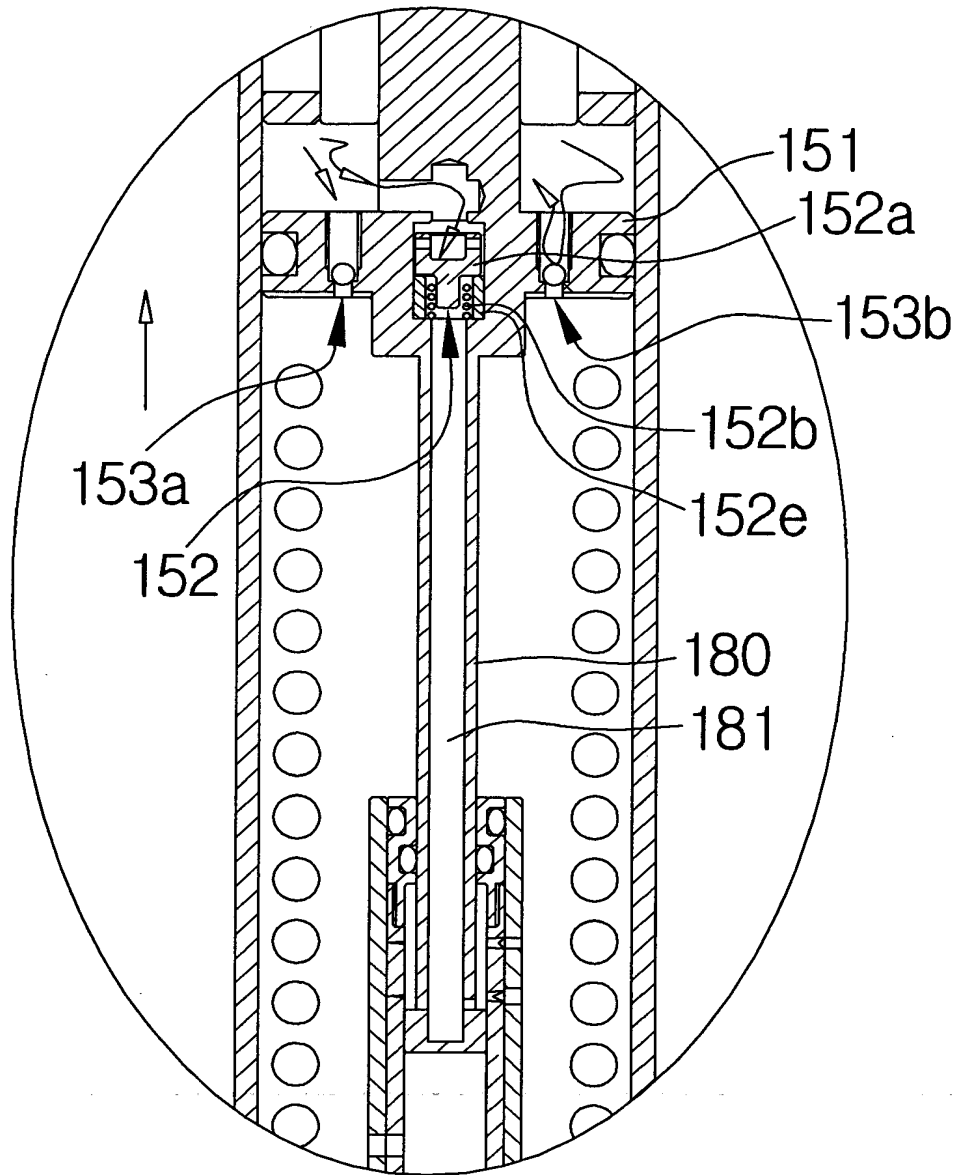


FIG. 9

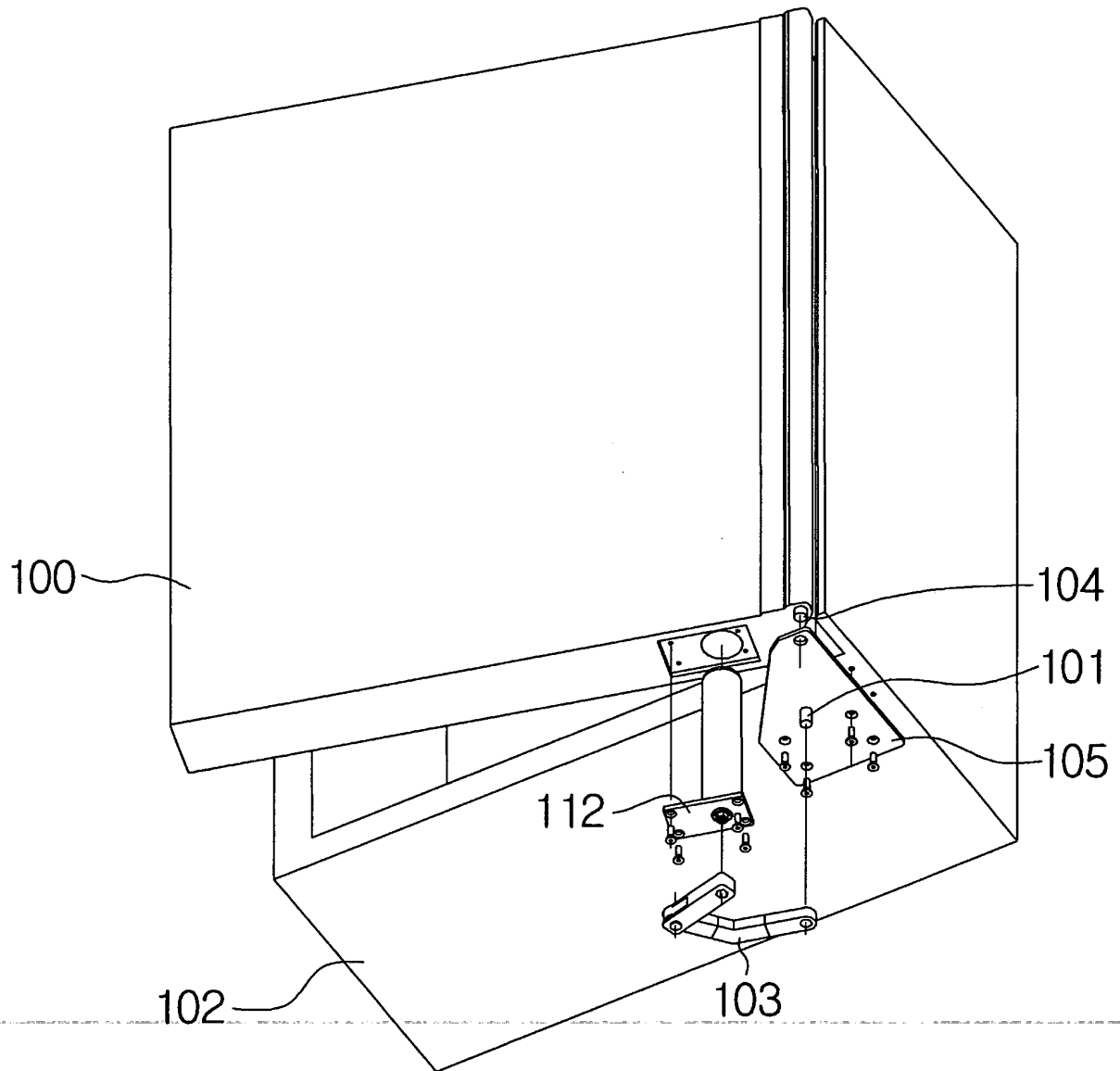


FIG. 10A

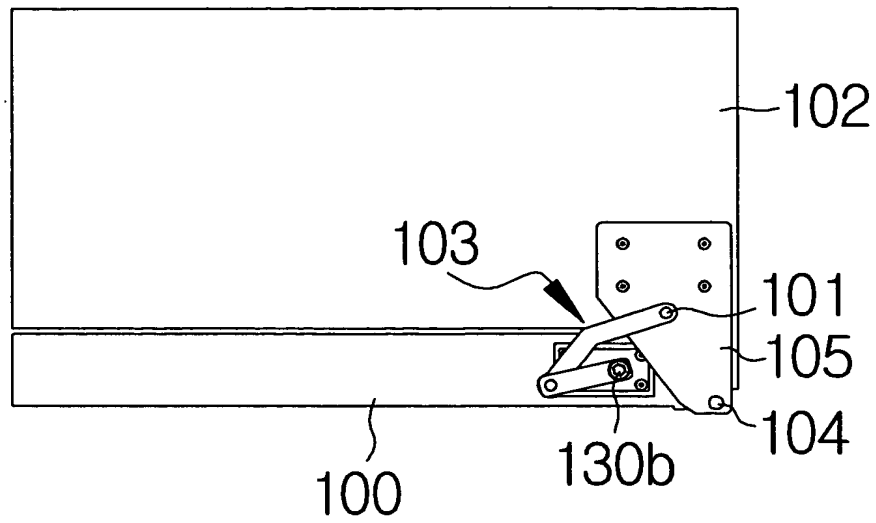


FIG. 10B

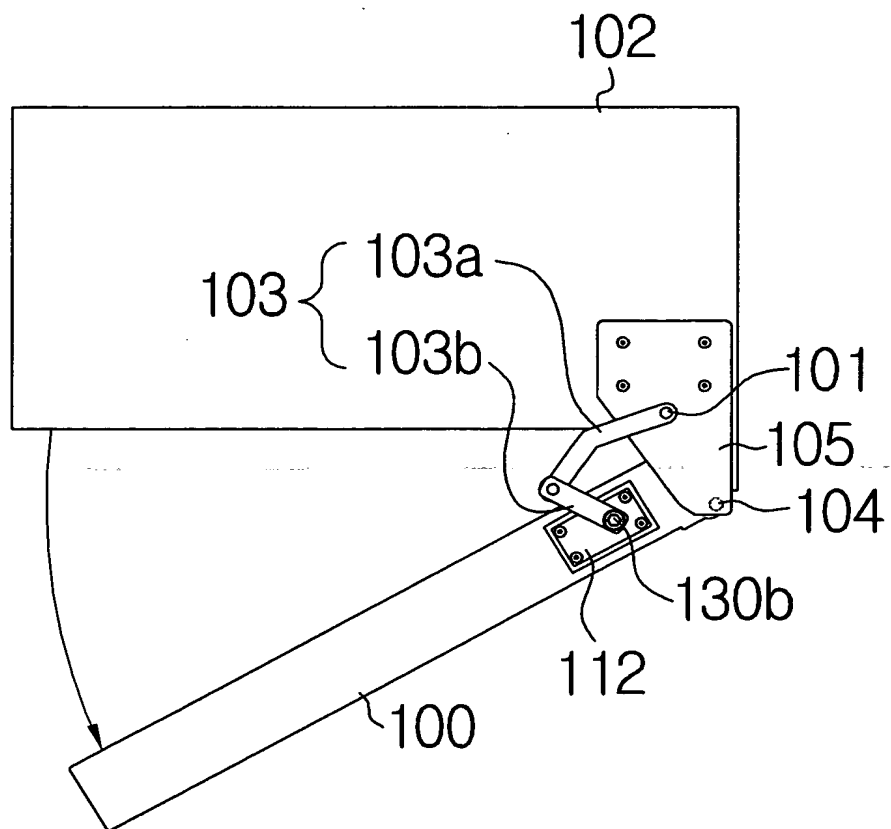


FIG. 10C

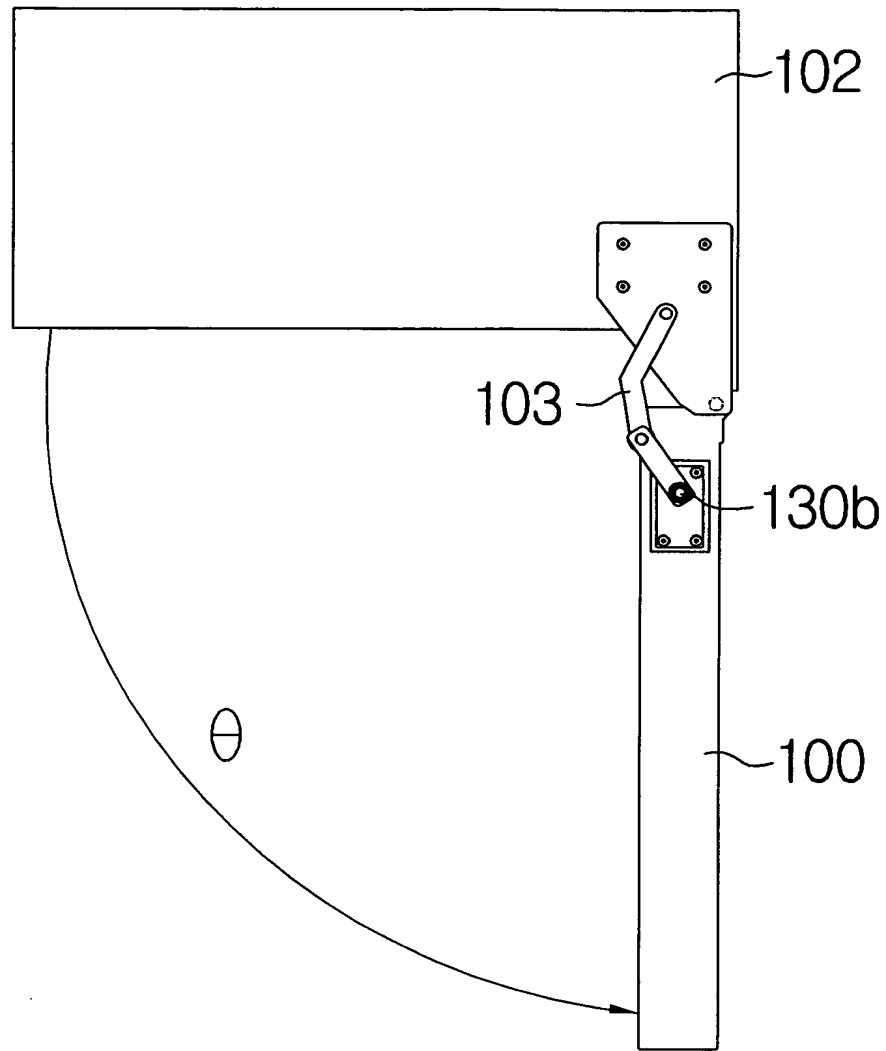


FIG. 10D

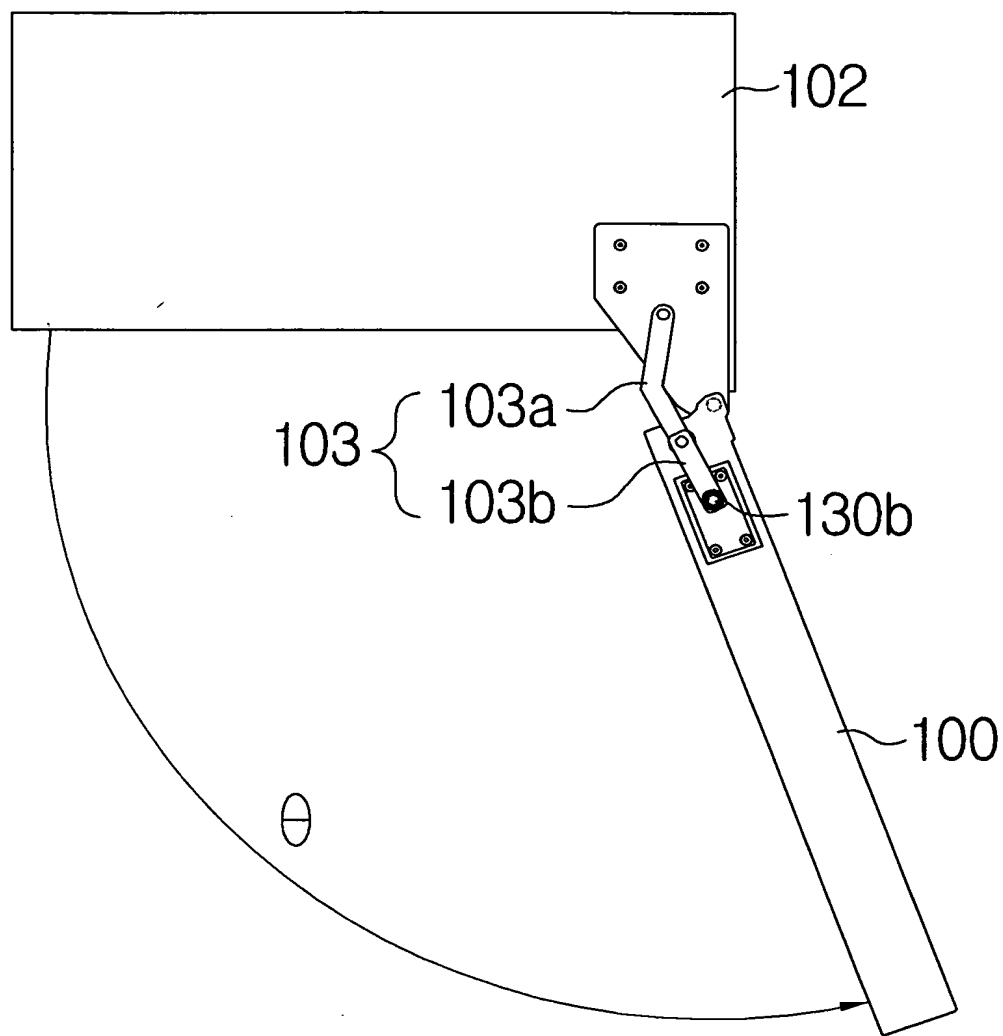


FIG. 11

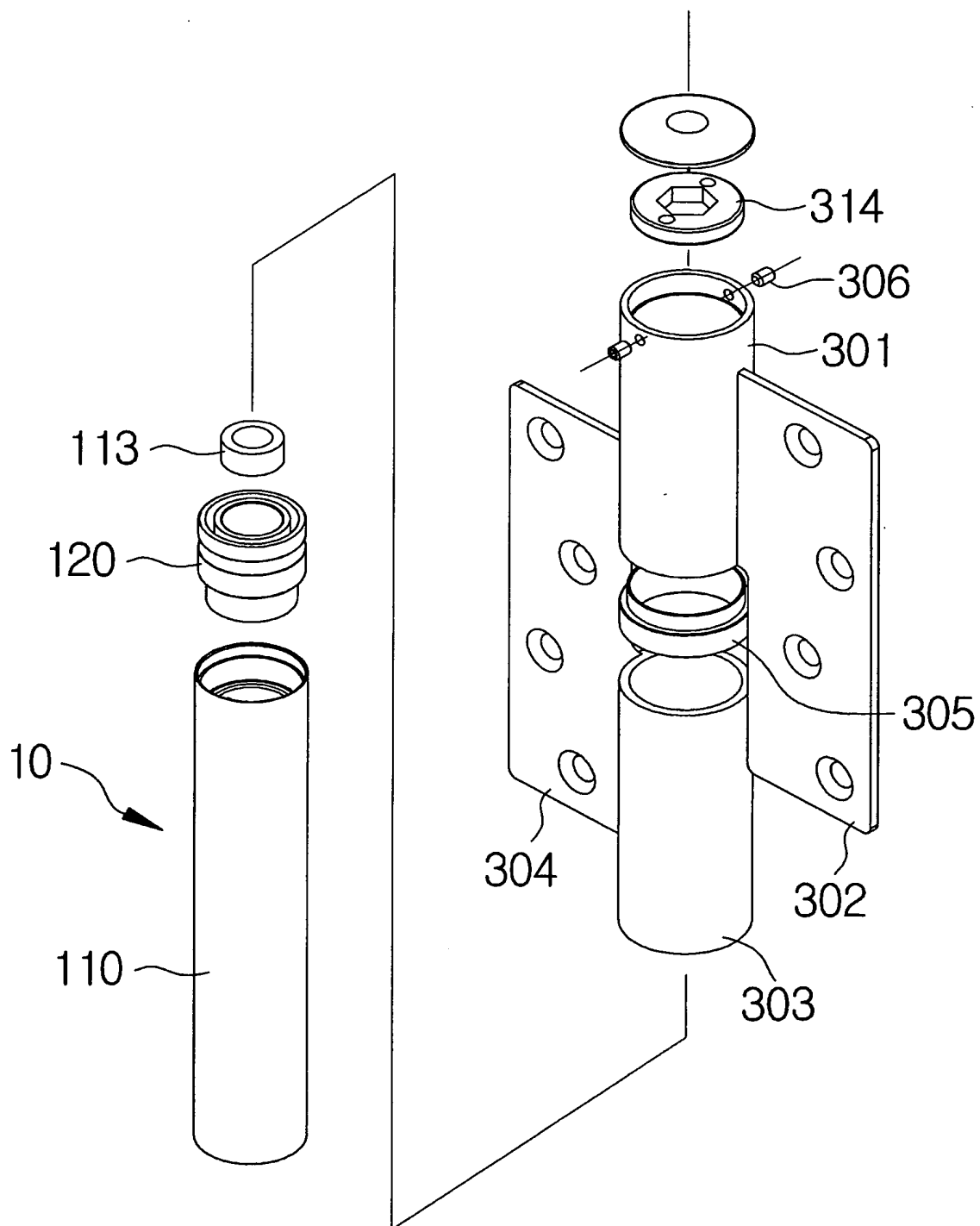


FIG. 12

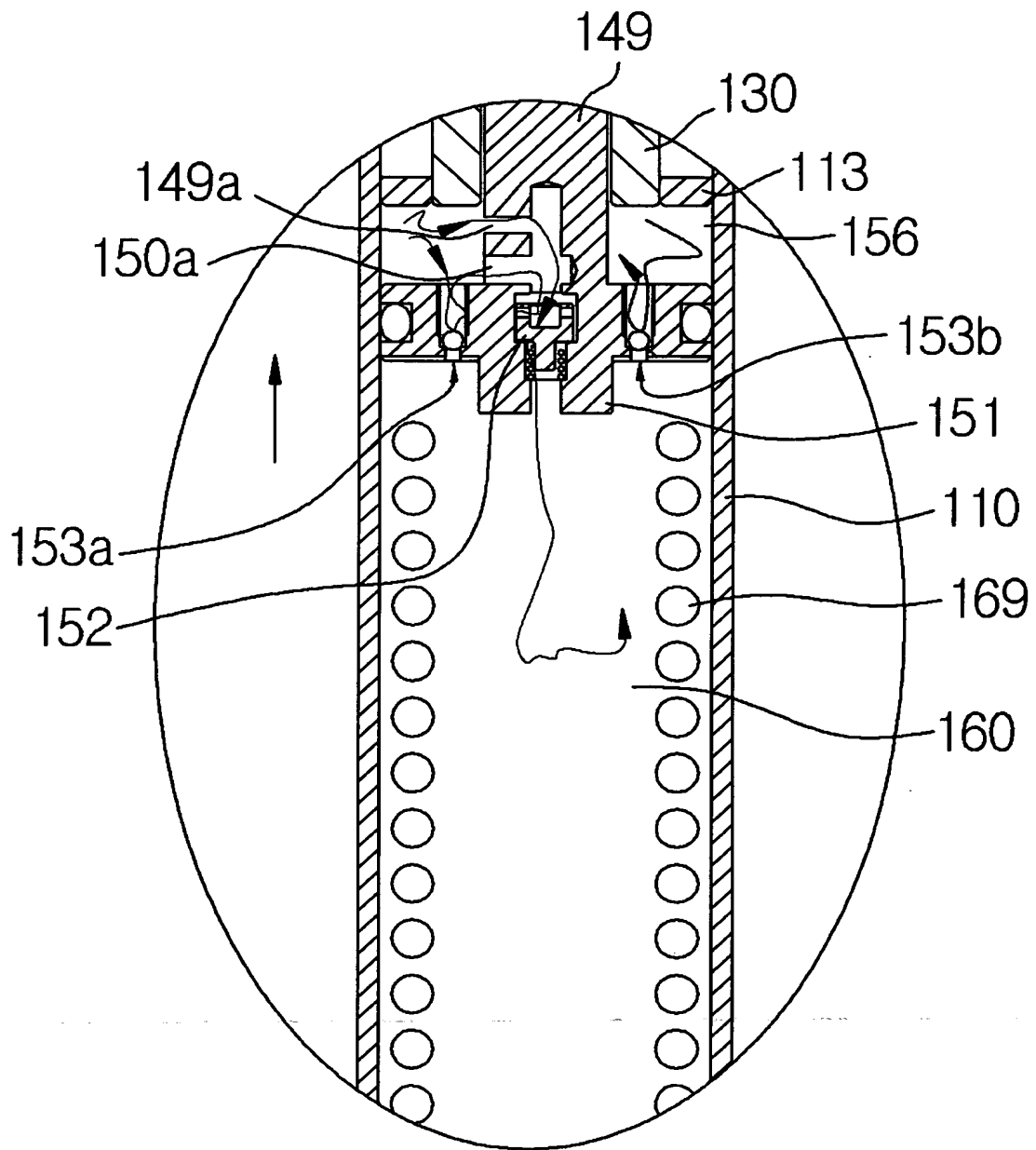


FIG. 13

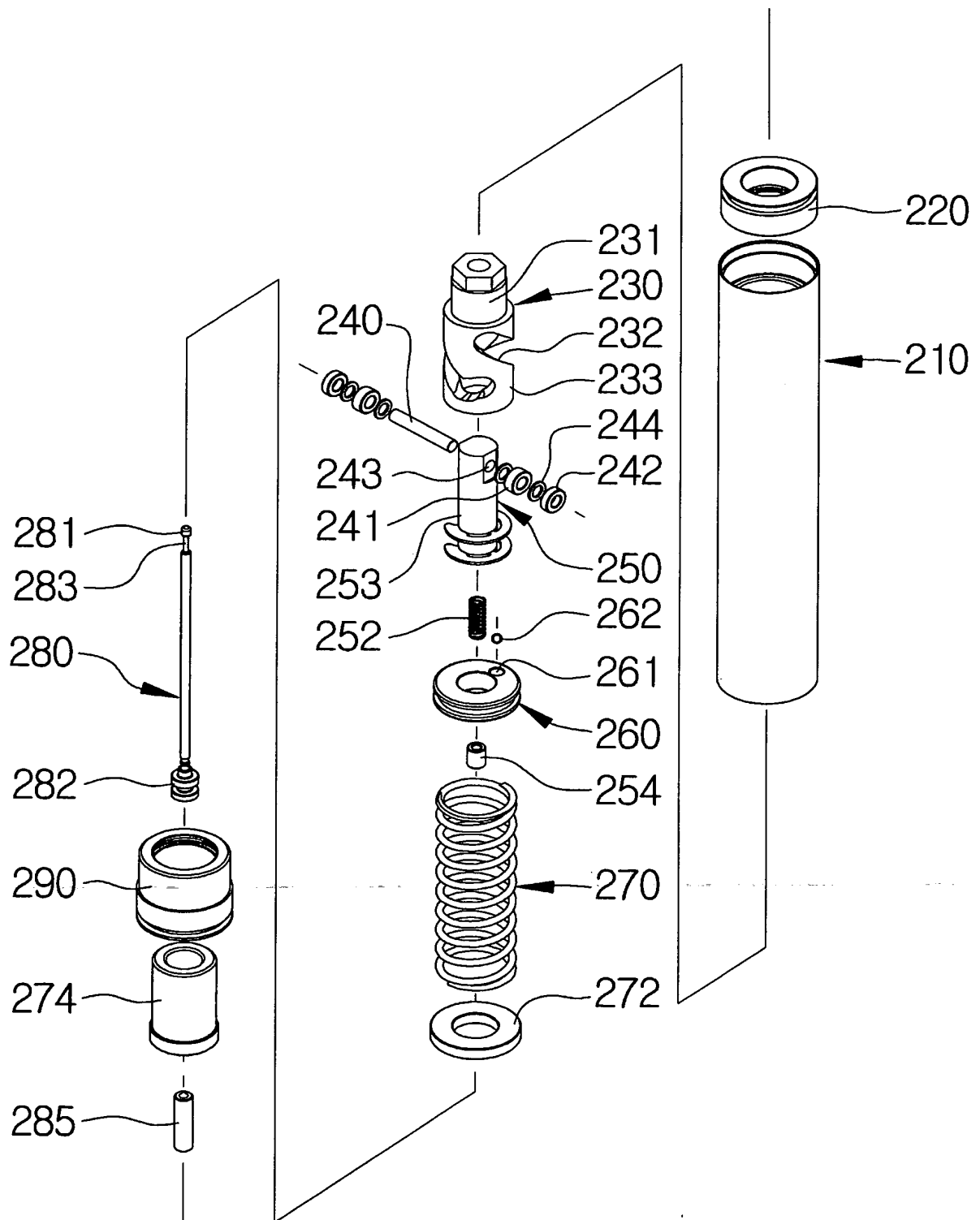


FIG. 14

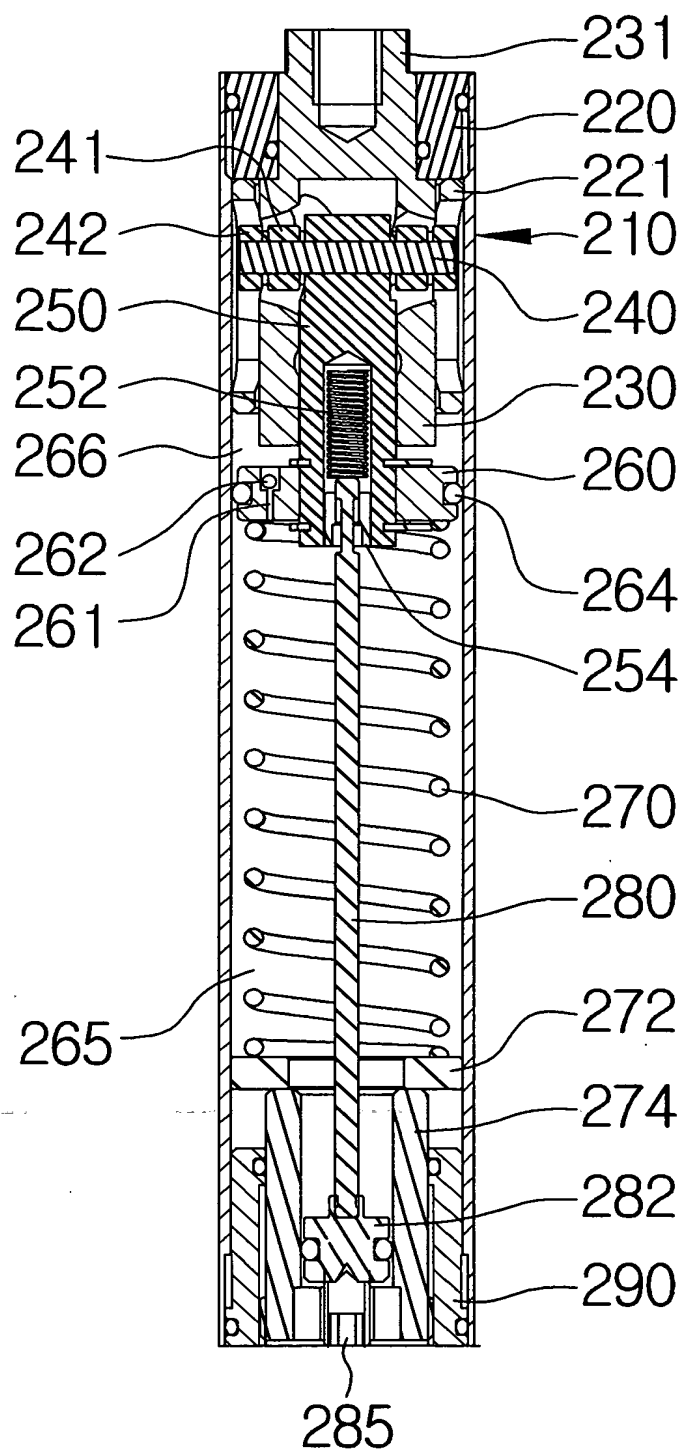


FIG. 15

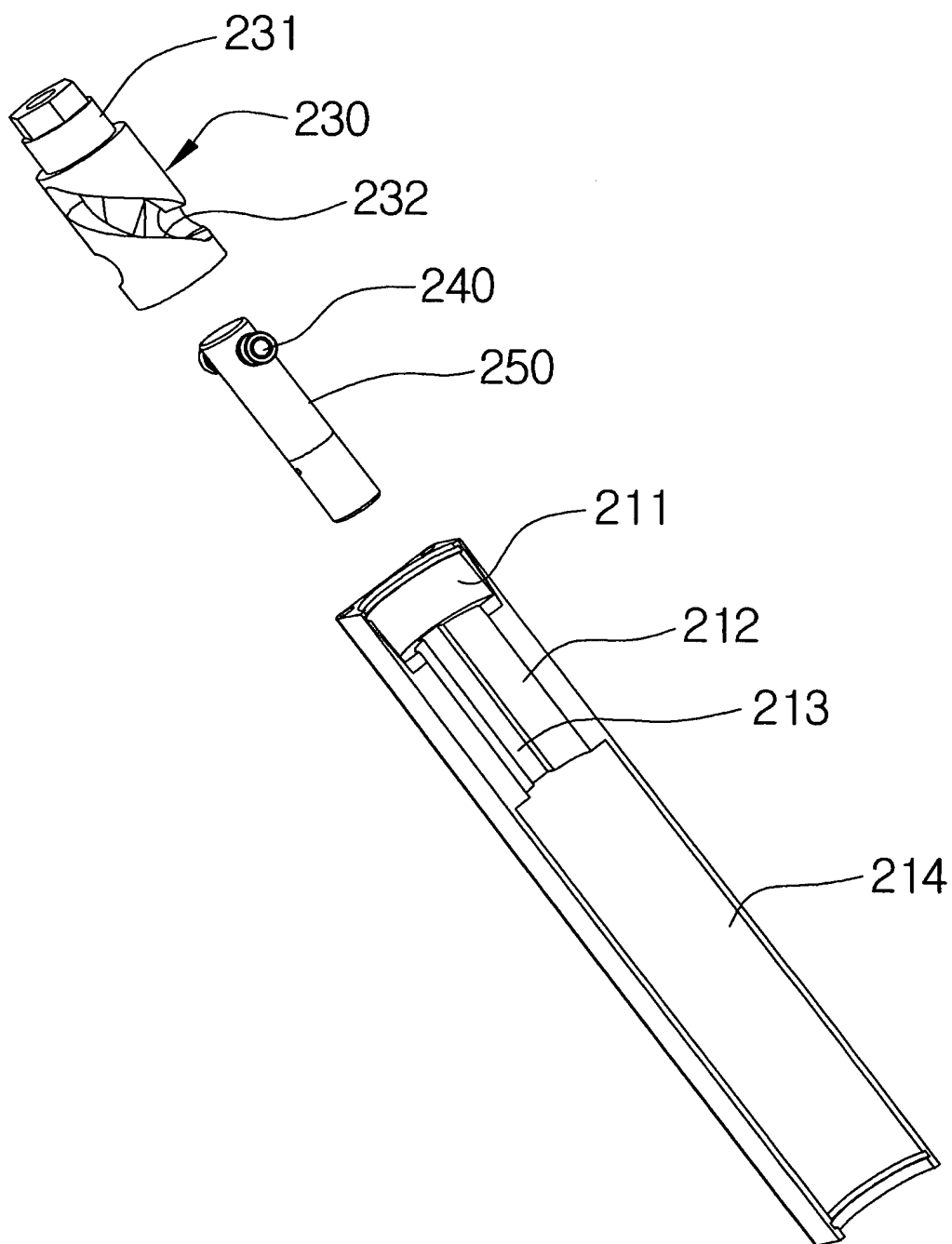


FIG. 16A

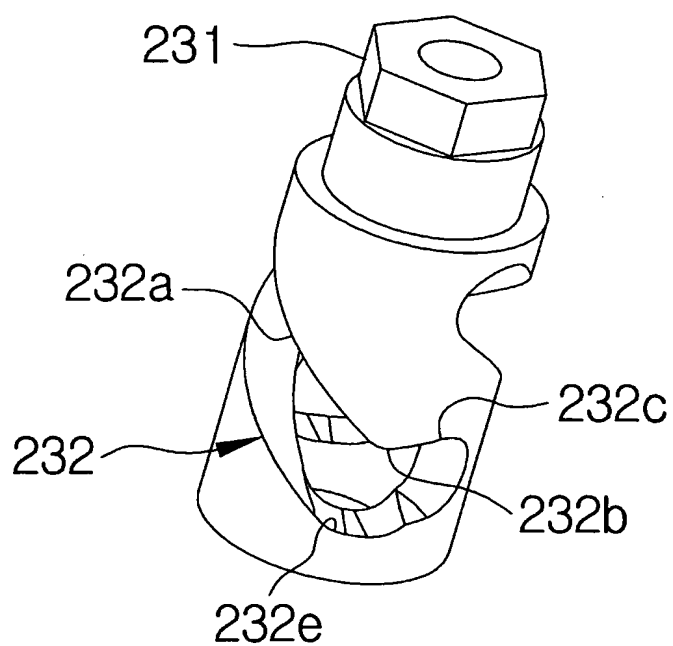


FIG. 16B

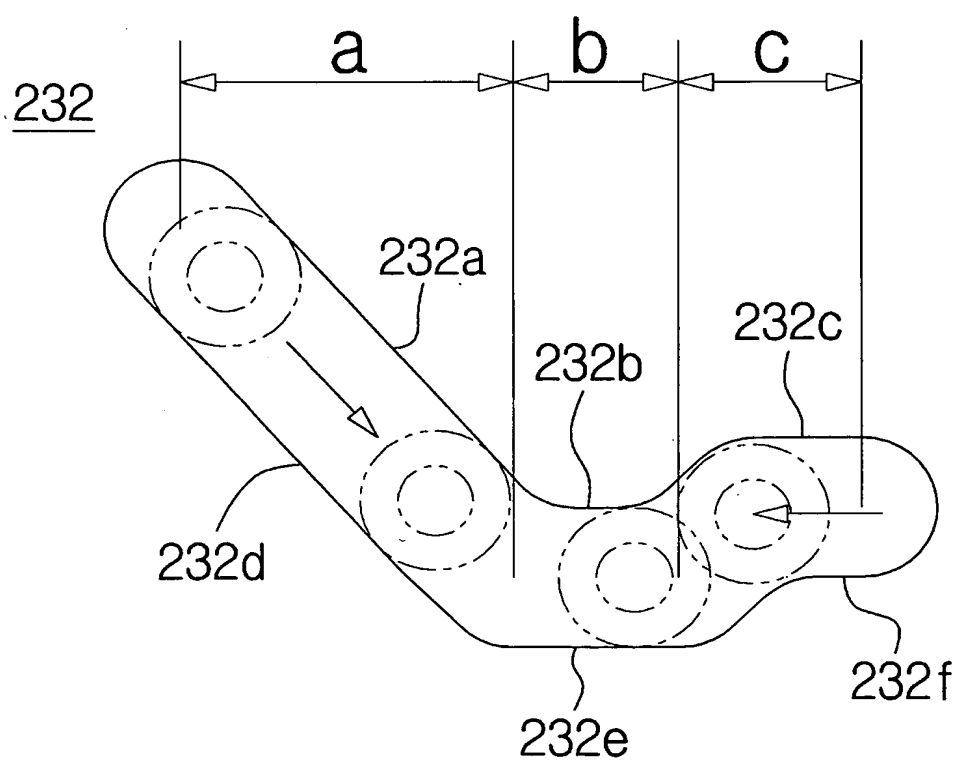


FIG. 17A

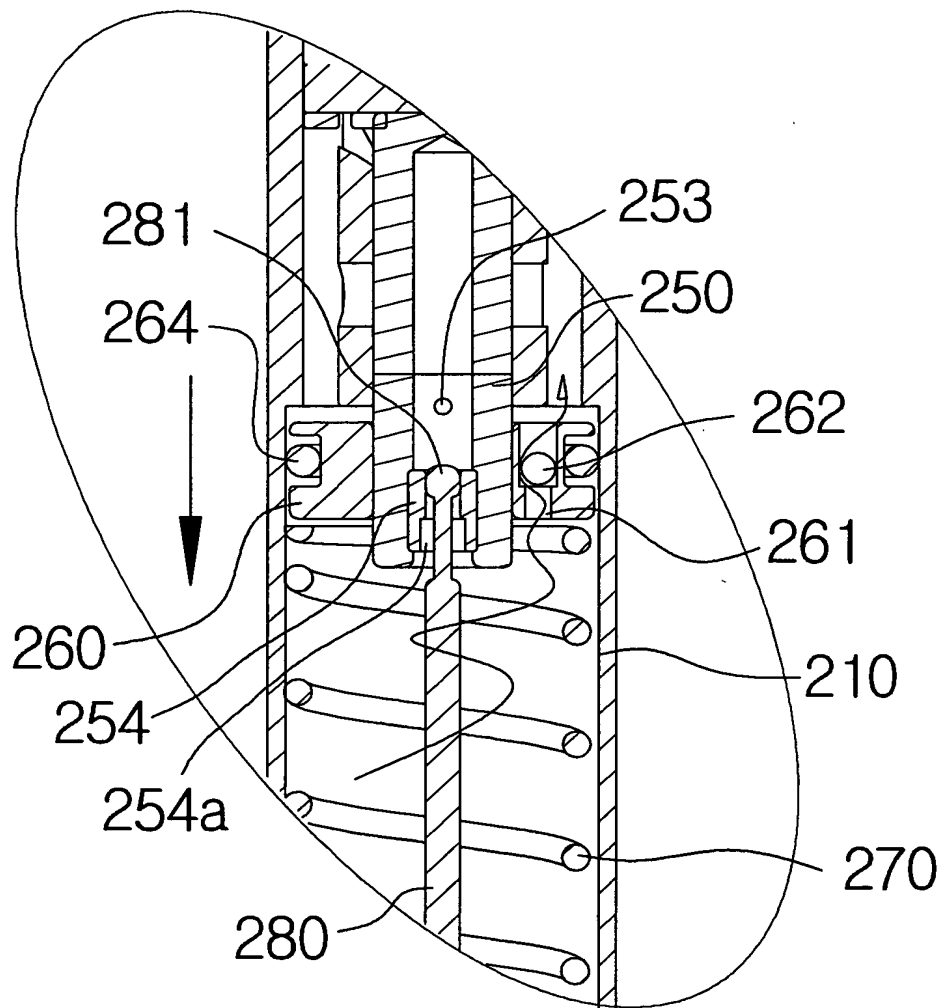


FIG. 17B

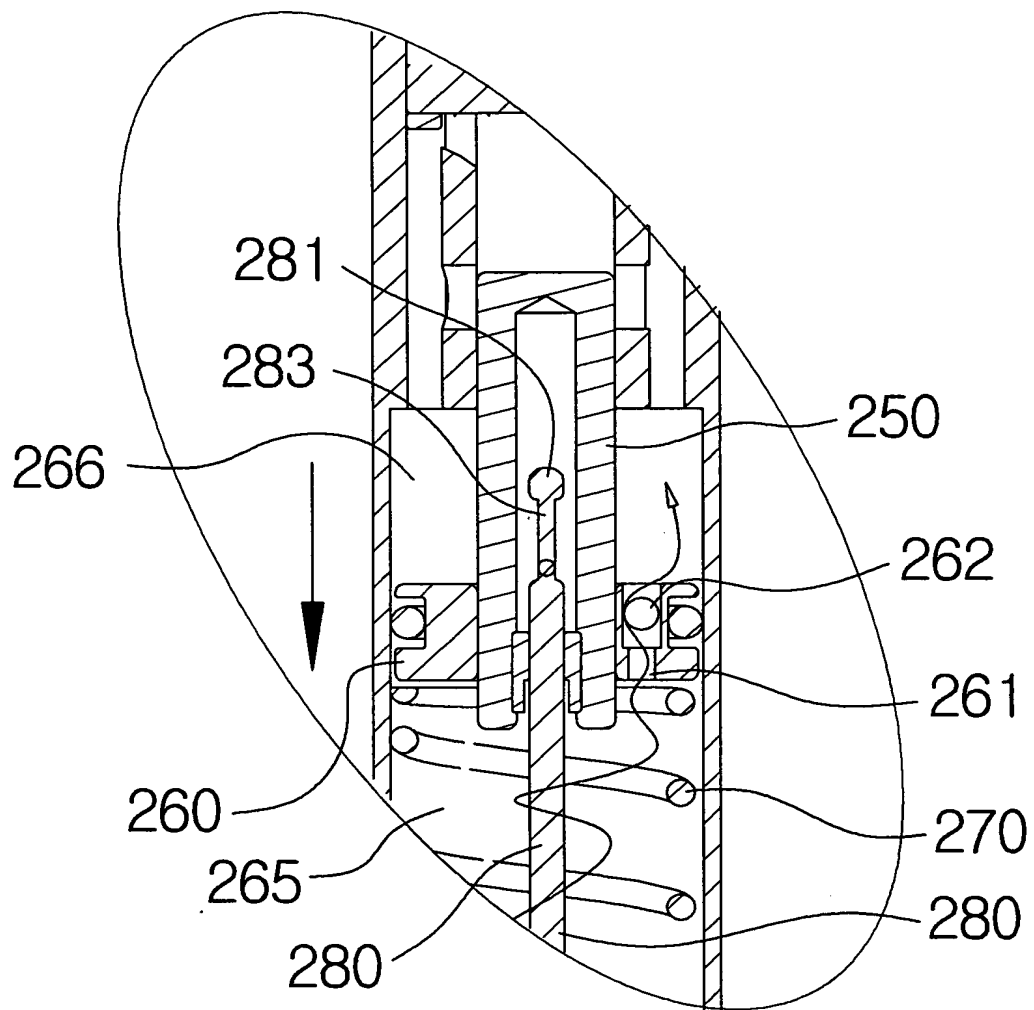


FIG. 17C

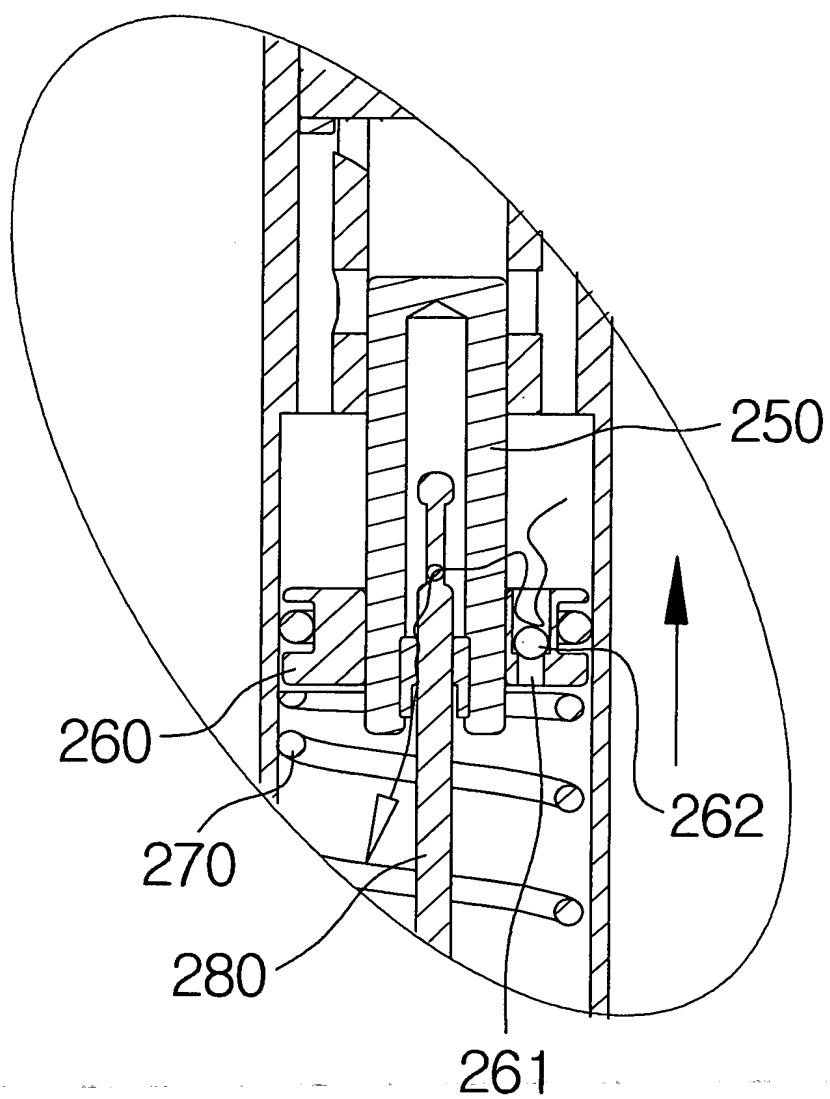


FIG. 17D

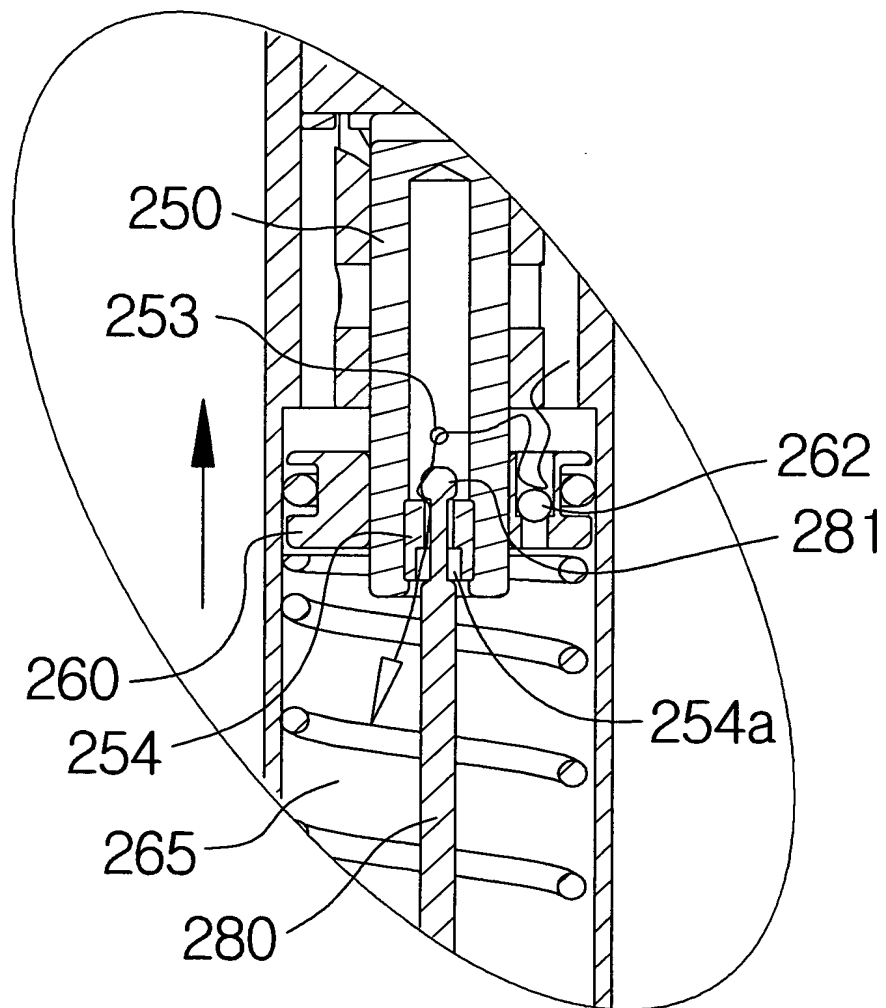


FIG. 17E

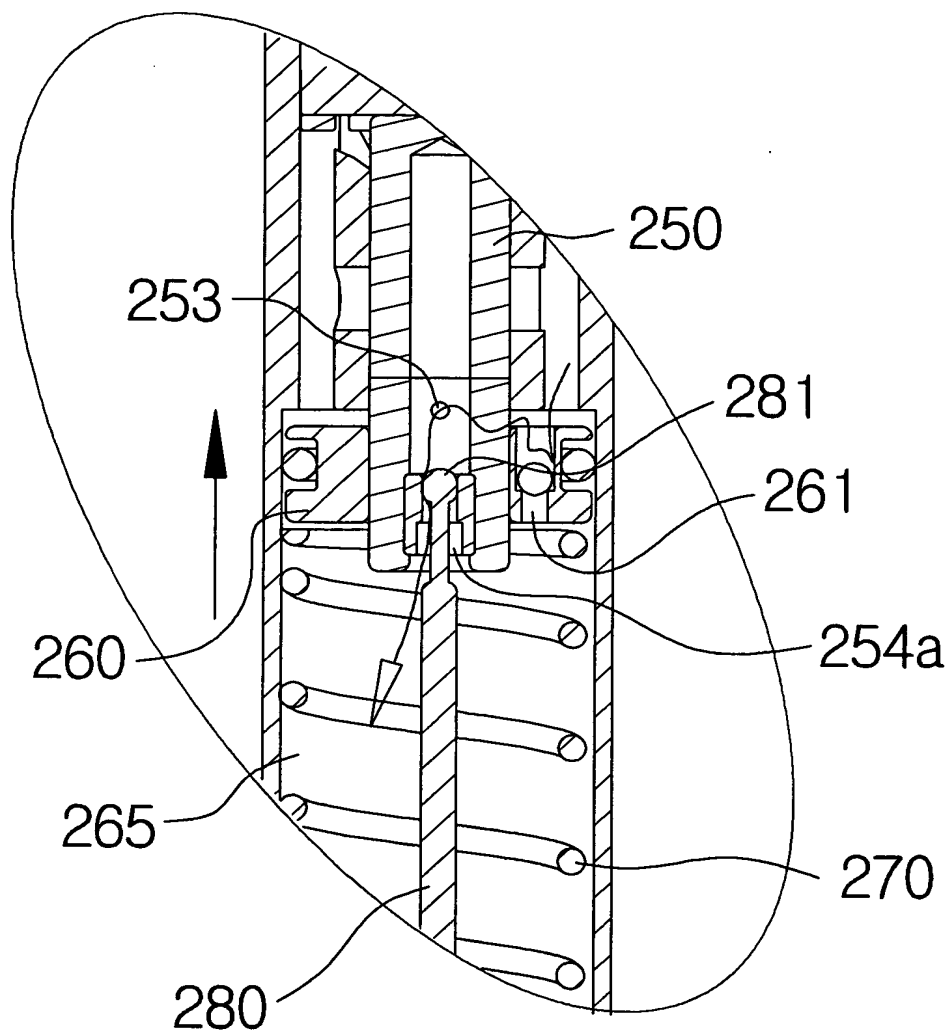


FIG. 18

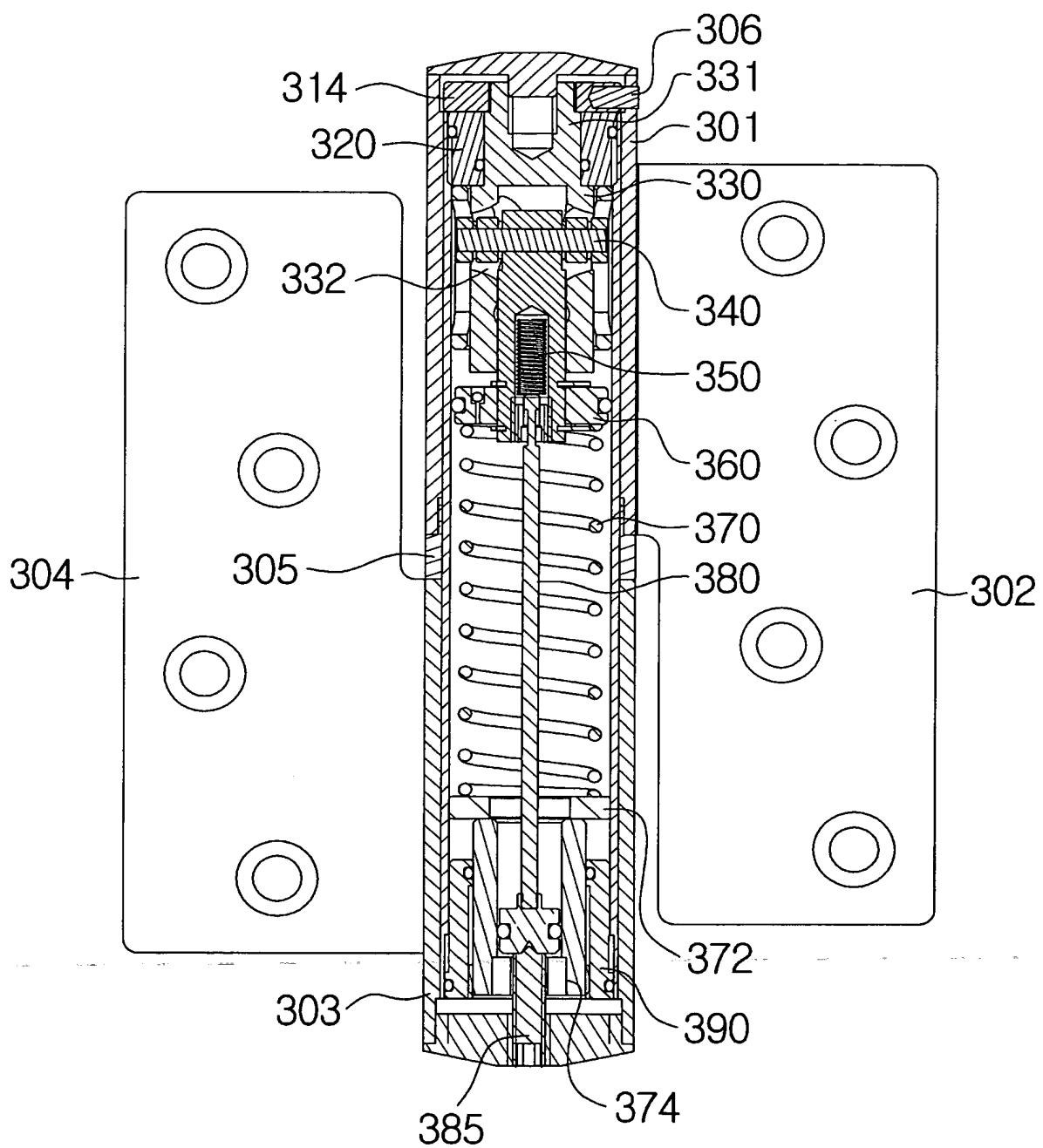


FIG. 19A

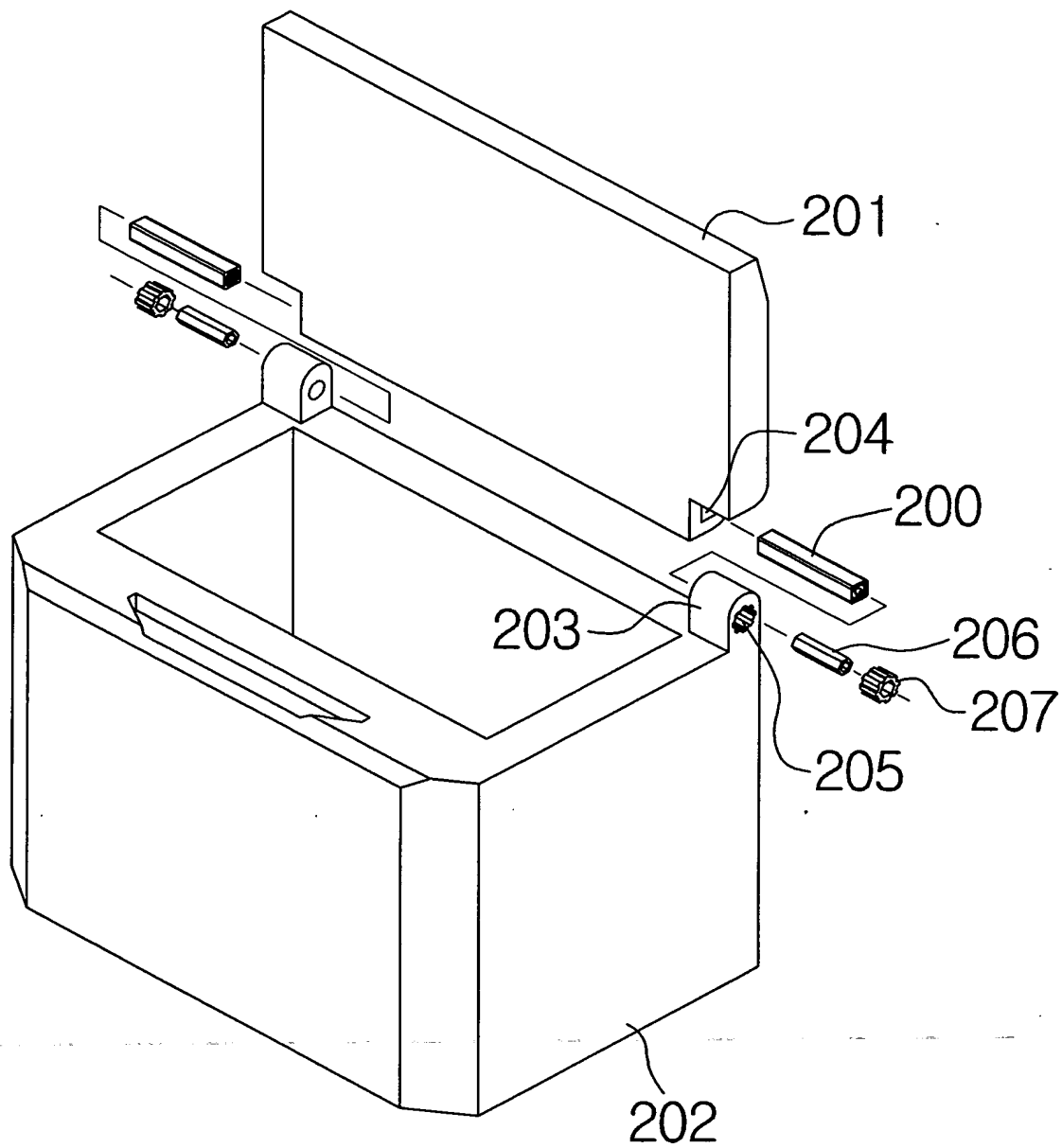


FIG. 19B

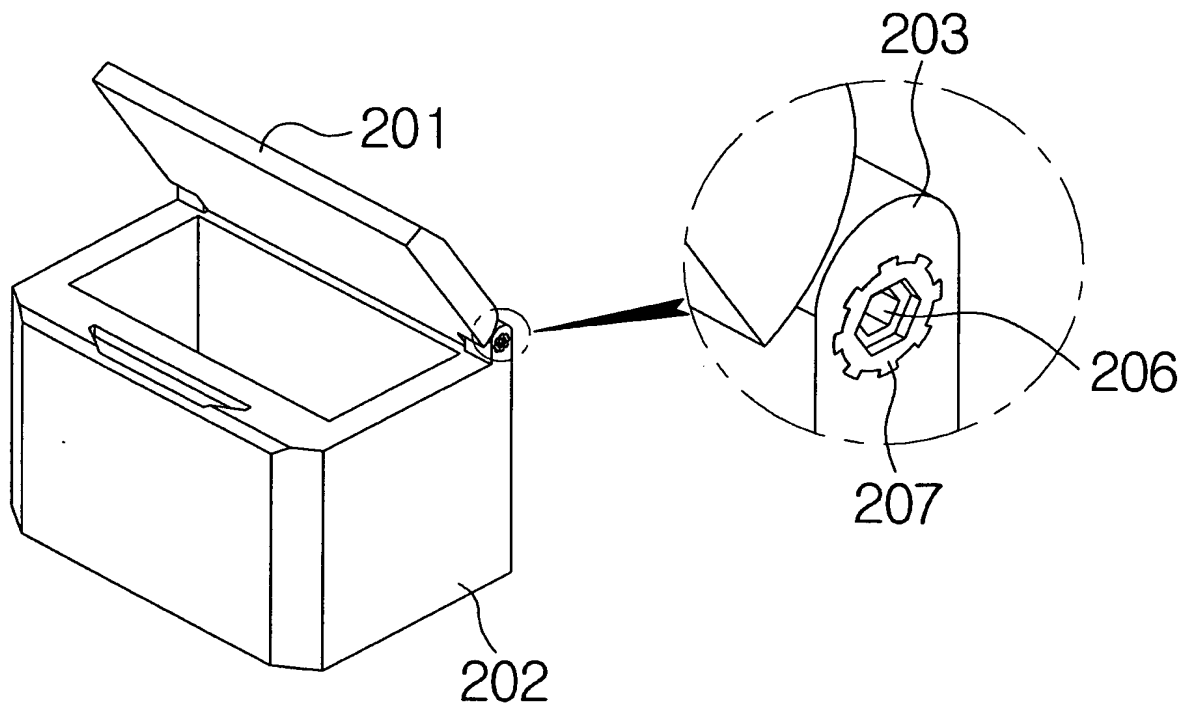


FIG. 20

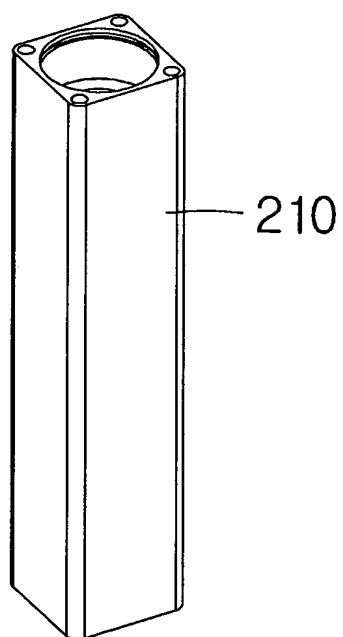


FIG. 21A

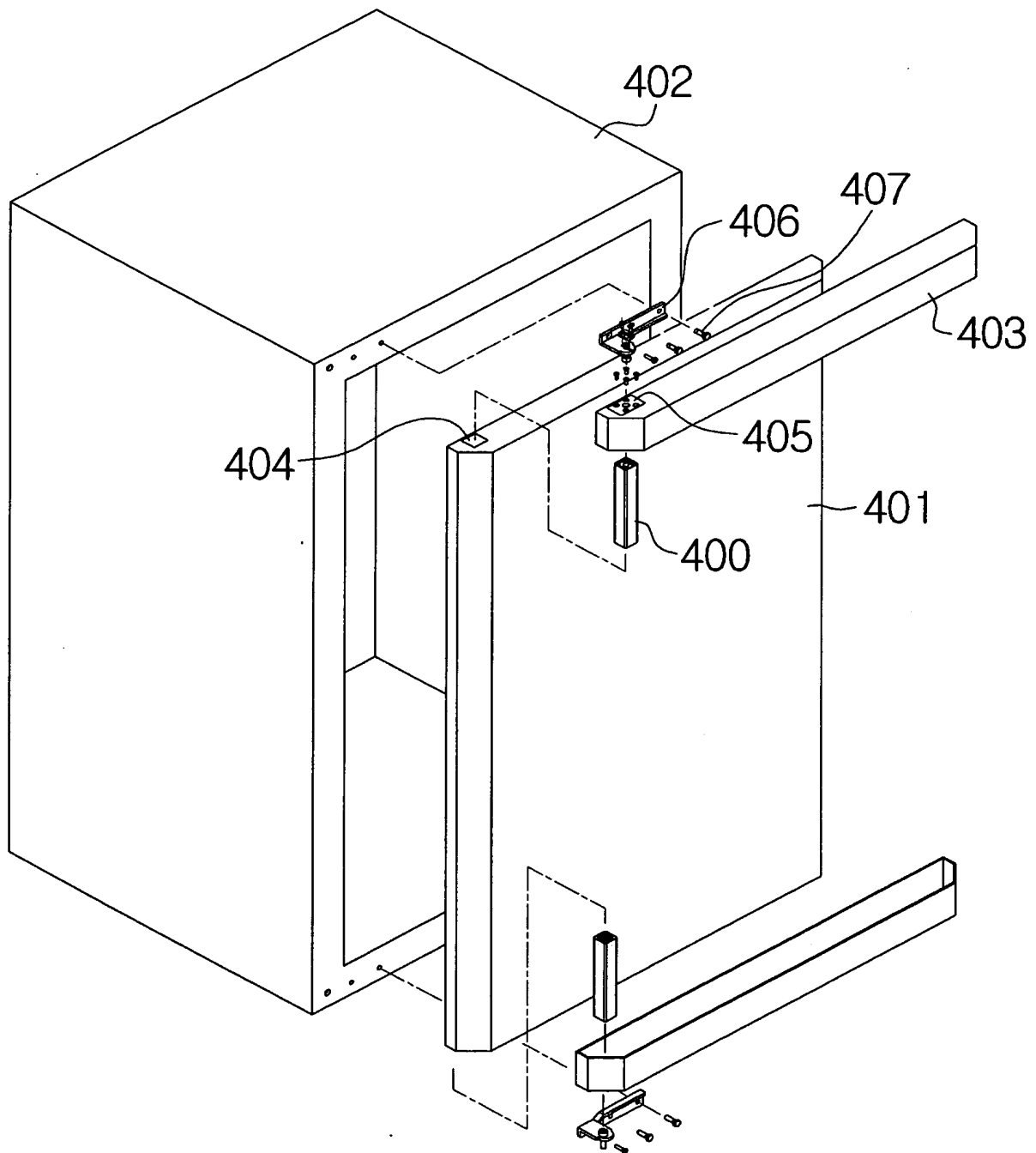


FIG. 21B

